

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: D. COATES

SERIAL NO: 09/484,259

FILING DATE: January 18, 2000

FOR: HOMEOTROPICALLY ALIGNED LIQUID CRYSTAL LAYER AND PROCESS FOR THE
HOMEOTROPIC ALIGNMENT OF LIQUID CRYSTALS ON PLASTIC SUBSTRATES

GAU: 2871

EXAMINER: T. Chowdhury

FEB 26 2002

AMENDMENT TRANSMITTAL

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231RECEIVED
MAR - 5 2002
TECHNOLOGY CENTER 2800

SIR:

Transmitted herewith is an amendment in the above-identified application.

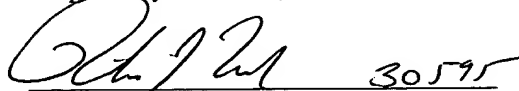
- ☐ No additional fee is required.
- ☐ Applicant(s) is/are entitled to small entity status.
- ☐ Additional documents filed herewith:

The fee has been calculated below:

CLAIMS	CLAIMS REMAINING		HIGHEST NO. PREVIOUSLY PAID FOR	NO. OF EXTRA CLAIMS	RATE		CALCULATIONS
TOTAL	23	MINUS	20	3	x	\$18 =	\$54.00
INDEPENDENT	5	MINUS	3	2	x	\$84 =	\$168.00
	<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS						
	TOTAL OF ABOVE CALCULATIONS						\$222.00
	<input type="checkbox"/>						
	<input type="checkbox"/> REDUCTION BY 50% FOR FILING BY SMALL ENTITY						\$0.00
	<input type="checkbox"/> RECORDATION OF ASSIGNMENT						\$0.00
TOTAL							\$222.00

- ☒ A check in the amount of \$222.00 is attached.
- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to Deposit Account No. 13-3402. A duplicate copy of this sheet is enclosed.
- ☒ If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. § 1.136, and any additional fees required under 37 C.F.R. § 1.36 for any necessary extension of time may be charged to Deposit Account No. 13-3402. A duplicate copy of this sheet is enclosed.

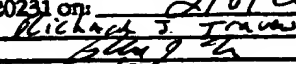
Respectfully submitted,



Jonathan G. Brown
Atty., Registration No. 47,451
Attorney/Agent for Applicants

MILLEN, WHITE, ZELANO & BRANIGAN, P.C.
Arlington Courthouse Plaza I
2200 Clarendon Blvd. Suite 1400
Arlington, Virginia 22201
Telephone: (703) 243-6333
Facsimile: (703) 243-6410

Date: February 8, 2002

I hereby certify that this correspondence is being
deposited with the U.S. Postal Services as First Class
Mail in an envelope addressed to:
Assistant Commissioner For Patents
Washington, D.C. 20231 on: 2/8/2002
Name: Richard J. Truitt
Signature: 
Date: 2/8/2002



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

D. COATES et al.

Examiner: T. Chowdhury

Serial No.: 09/484,259

Group Art Unit: 2871

Filed: January 18, 2000

Title: HOMEOTROPICALLY ALIGNED LIQUID CRYSTAL LAYER AND PROCESS
FOR THE HOMEOTROPIC ALIGNMENT OF LIQUID CRYSTALS ON
PLASTIC SUBSTRATES

RECEIVED
MAR - 5 2002
TECHNOLOGY CENTER 2000

#13/D
maisha
3/7/02

AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

I hereby certify that this correspondence is being
deposited with the U.S. Postal Services as First Class
Mail in an envelope addressed to:
Assistant Commissioner For Patents,
Washington, D.C. 20231 on: 2/8/2002
Name: Richard J. Teakens
Signature: [Signature]
Date: 2/8/2002

Sir:

In response to the office action dated August 8, 2001, please amend the above-identified
application as indicated and consider the remarks which follow:

IN THE CLAIMS:

Please amend claims 1, 11-13 and 15-18 as follows:

D1
1. (Twice Amended) Liquid Crystal film or layer with homeotropic alignment,
wherein said homeotropic alignment is achieved by an aligning layer on a substrate,
and wherein said aligning layer is a smooth Al₂O₃ layer.

D2
11. (Amended) A liquid crystal layer as in claim 1, wherein said aligning layer is a thin
transparent Al₂O₃ coating.

12. (Amended) A liquid crystal layer as in claim 28, wherein said aligning layer is an
aluminum coating with an optical density of from 1.0 to 2.0.

03/04/2002 SS1THIB1 00000230 09404259

02 FC:102
03 FC:103

160.00 OP
54.00 OP